

RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ



SGN-R2000MAD (2000Wp-3kWe)
SGN-R2400MAD (2400Wp-3kWe)



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Teknik Bilgiler

AC GİRİŞ - Standard

2(1X25A) 1F	Priz-1 Şebeke (Opsiyonel)
2(1X25A) 1F	Priz-2 Jeneratör (Opsiyonel)
230/240VAC 6kA 1F+N+PE	Aşırı gerilim koruma şalteri (Opsiyonel)
2(1X25A) 1F	Manyetik şalter -bypass (Opsiyonel)
2(1X25A) 1F	Manyetik şalter -1 Şebeke (Opsiyonel)
2(1X25A) 1F	Manyetik şalter -2 Jeneratör (Opsiyonel)
2(1X25A) 1F	Otomatik transfer güç kontaktörü-1 Şebeke (Opsiyonel)
2(1X25A) 1F	Otomatik transfer güç kontaktörü-1 jeneratör (Opsiyonel)

AC ÇIKIŞ - Standard

2(1X25A) 1F	Priz-1 bypass (Opsiyonel)
2(1X25A) 1F	Priz-1 Yük beslemesi
2(1X25A) 1F	Priz-2 Yük beslemesi (Opsiyonel)
1(2X25A) 30mA 1F+N	Kaçak Akım koruma şalteri
2(1X25A) 1F	Manyetik şalter -bypass (Opsiyonel)
2(1X25A) 1F	Manyetik şalter -1 yükbesleme (Opsiyonel)
2(1X25A) 1F	Manyetik şalter -2 yükbesleme (Opsiyonel)

1 FAZLI SOLAR INVERTER (230/240 VAC 1F 50/60Hz - 24VDC/48VDC) - (Mevcut)

Sürekli Çalışma yük koşulu	3kWe
Anlık Tepe Dayanımı	6kWe
2(1X25A) +/- 2F	AC Anahtarlı Otomatik şalter
MPPT	Intranet Uzaktan izleme modülü (Opsiyonel)
	Akü şarj kontrol cihazı (Mevcut)

SOLAR TİP BATARYA - (Mevcut)

Amp @ 12VDC SolarJel	Adet 110Ah =24Vdc 880Ah / C10
4X(1X50A +/- 1F)	DC Anahtarlı Otomatik şalter

FOTOVOLTAİK GÜNEŞ PANELİ (320/335Wp) - (Mevcut)

Toplam Giriş (kiloWatt)	2/2,4kWp PP/MP- MC4 Bağlantılı
120/150VDC 6kA +/- PE	Aşırı gerilim koruma şalteri
2(1X25A)+/- 2F	DC Anahtarlı Otomatik şalter
4mm2 0.6/1Kv LSFOH PV-1	Solar güç kablosu

TAŞIMA BOYUTLARI

KURULUM BOYUTLARI - (Opsiyonel)

Yükseklik	1.600mm
Uzunluk Gövde	2.500mm
Genişlik Gövde	1.875mm
Ağırlık Gövde	420kg Akü hariç



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

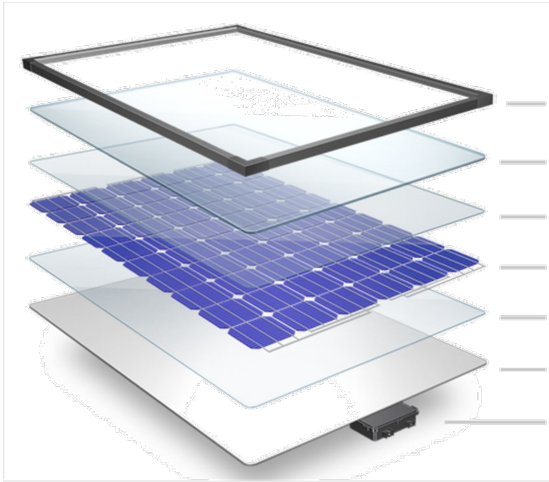


Ürün Kapasitesi:

- 1 adet 9.000btu klima (yaz)
- 1 adet 750W elektrikli panel radyatör (kış)
- 3 LED iç & dış aydınlatma CVatürü
- 1 adet 300W buzdolabı
- 1 adet 300W elektronik cihaz (TV - PC)
- priz çıkışlı besleme kapasitesine sahiptir



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ



Aluminyum Çerçeve

Temperli Cam

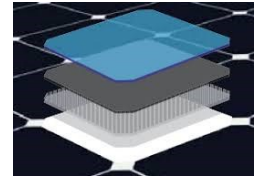
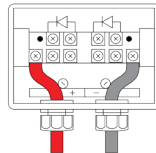
Encapsulant

Solar modüller

Encapsulant

Arka yüzey

Bağlantı kutusu



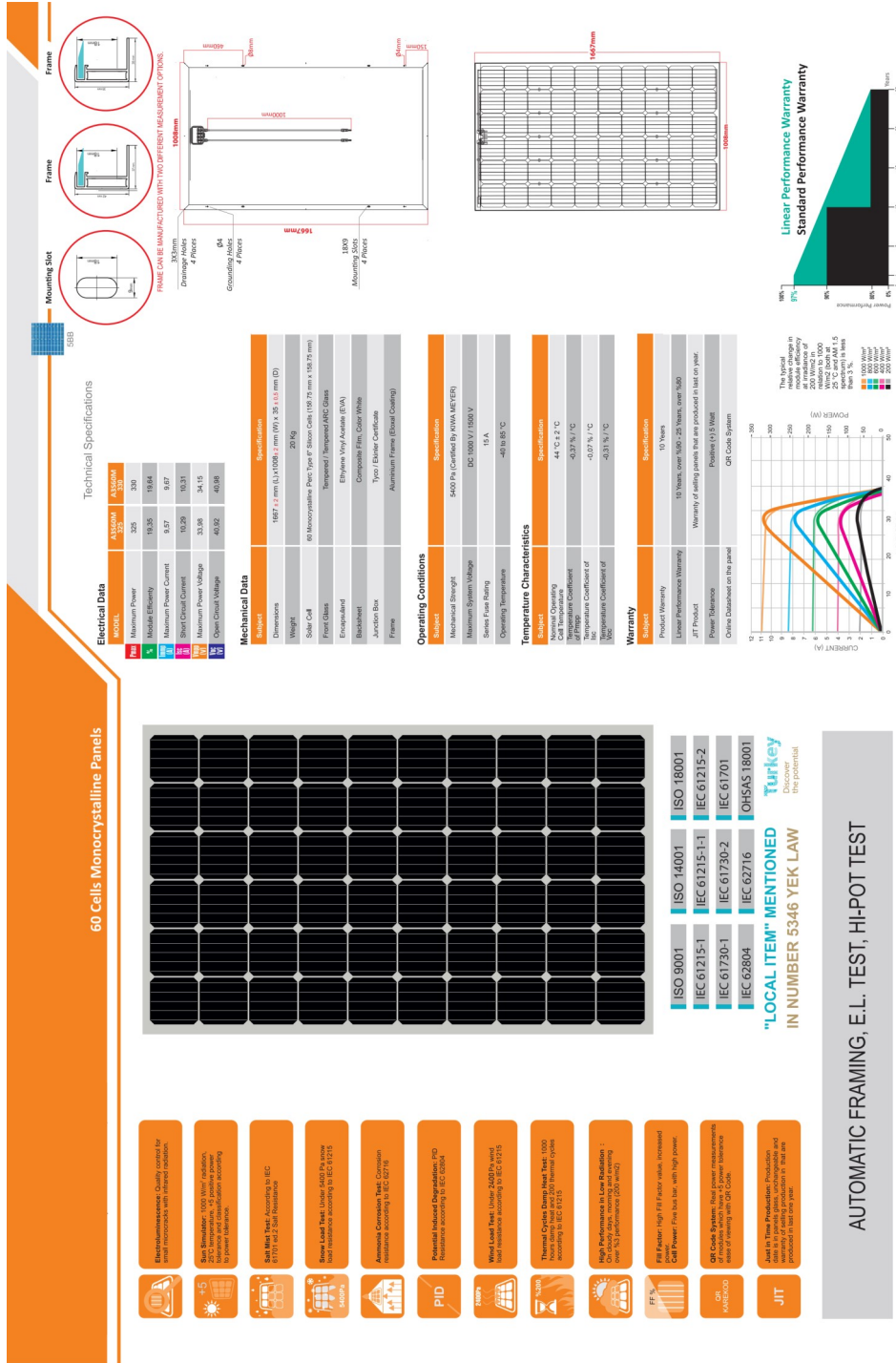
Bölüm 1: Güneş paneli ürün detayları

RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ



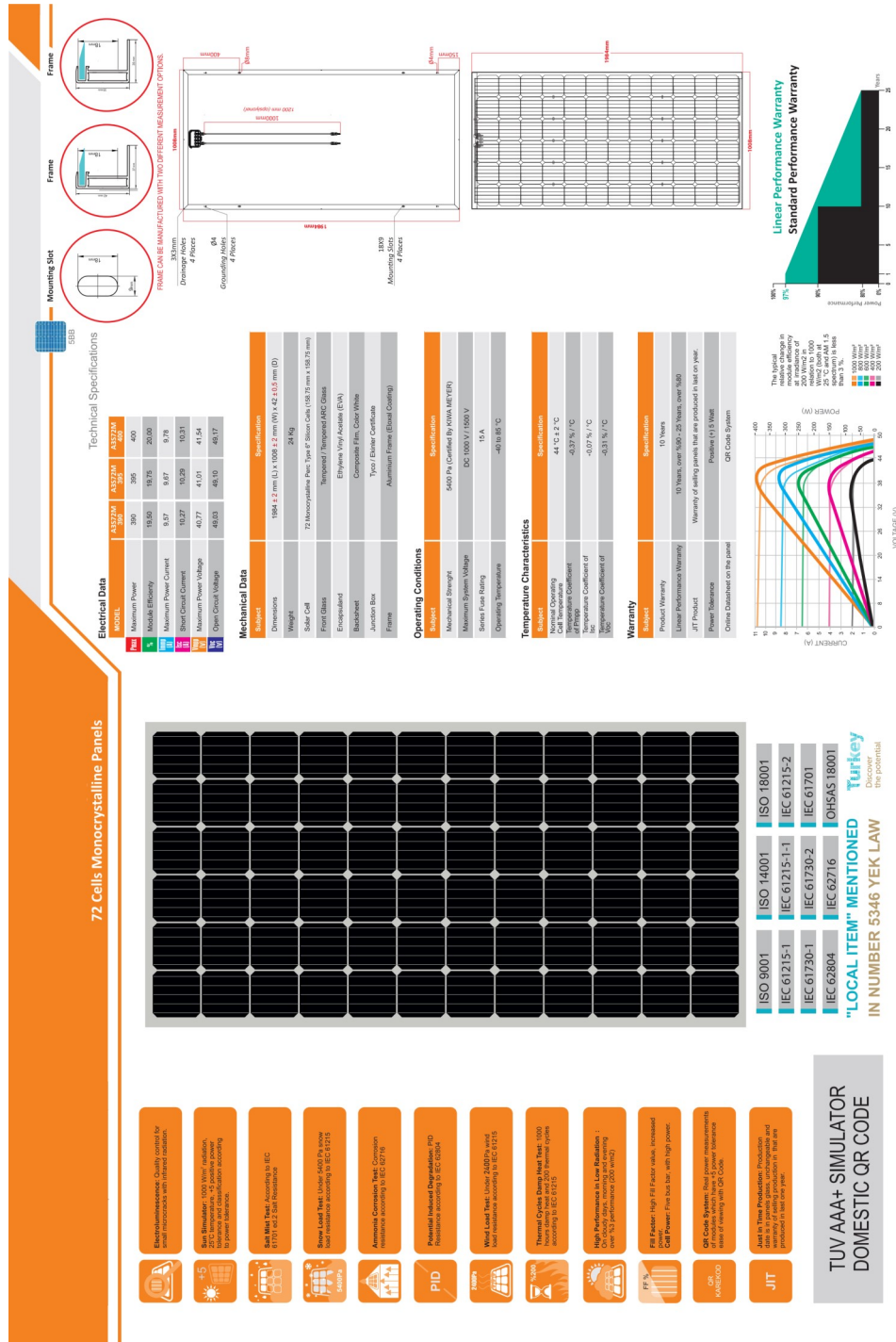
RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Ürün Detayı



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Ürün Detayı



Bölüm 3: SGN-R2000MAD & SGN-R2400MAD üretiminde kullanılan güneş paneli detayları



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Ürün Detayı

SB BATTERY

VRLA GEL RECHARGEABLE BATTERY FOR SOLAR ENERGY
SPG110-12 R 12V110Ah

FOR HIGH RATE USE



Specification

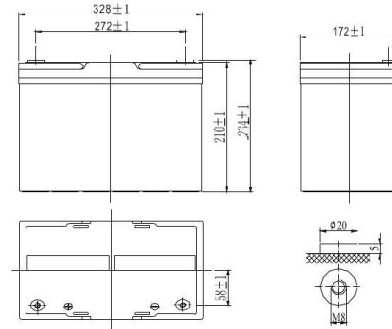
Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
20 hour rate(5.5A, 10.5V)	110Ah
10 hour rate(10.5A, 10.5V)	105Ah
5 hour rate(19.0A, 10.5V)	95.0Ah
1 hour rate(72.6A, 9.6V)	72.6Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	4.3mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-30~60°C
Charge	-20~60°C
Storage	-30~60°C
Max. Discharge Current 77°F(25°C)	950A(5s)
Short Circuit Current	1875A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	30A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

General Features

- Silica gel technology for longer cycle life and better performance at cold ambient temperatures.
- Special sheet separator and colloidal or foamed silica.
- Deep discharge cycle increased by 50% as compared with the AGM battery.
- High reliability and quality.
- Excellent recovery from deep discharge.
- Living up prevailing standards.

Dimensions and Weight

Length(mm / inch)	328/12.91
Width(mm / inch)	172/6.77
Height(mm / inch)	234/9.22
Total Height(mm / inch)	239/9.42
Approx. Weight(Kg / lbs)	37.0 / 81.4
Standard Terminal	I

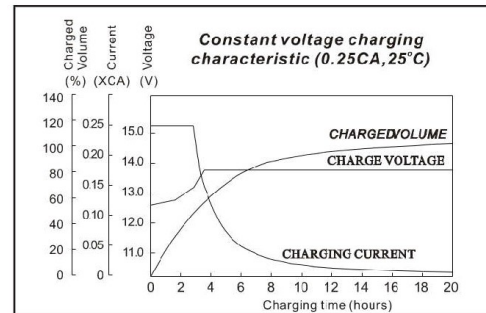
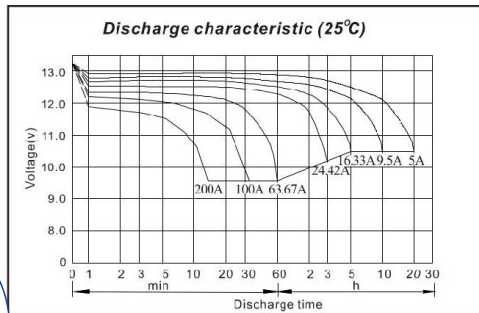


Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	350	240	175	105	72.6	30.2	19.8	11.0	5.80
1.65V	315	219	170	102	72.5	29.9	19.4	10.8	5.70
1.70V	299	211	164	100	72.3	29.8	19.2	10.7	5.65
1.75V	266	195	155	98.0	71.5	29.7	19.0	10.5	5.50
1.80V	240	181	148	95.0	70.6	29.6	18.6	10.3	5.40

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	577	398	310	198	130	52.4	36.5	21.2
1.65V	547	393	307	194	125	52.3	36.4	20.9
1.70V	511	383	302	189	122	52.2	36.3	20.7
1.75V	476	358	284	184	121	51.5	36.1	20.4
1.80V	427	333	267	179	119	50.9	35.5	20.0



Bölüm 4: SGN-R2000MAD & SGN-R2400MAD üretiminde kullanılan batarya detayları



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Ürün Detayı

Phoenix Inverters Smart

1600 VA – 5000 VA

www.victronenergy.com



Phoenix Inverter
Smart 12/3000



Bluetooth built-in: fully configurable with a tablet or smartphone

- Low battery voltage alarm
- Low battery voltage cut-off and restart levels
- Dynamic cut-off: load dependent cut-off level
- Output voltage: 210 - 245V
- Frequency: 50 Hz or 60 Hz
- ECO mode on/off and ECO mode sense level
- Alarm relay

Monitoring:

- In- and output voltage, load and alarms

VE.Direct communication port

The VE.Direct port can be connected to a computer (VE.Direct to USB interface cable needed) to configure and monitor the same parameters.

Proven reliability

The full bridge plus toroidal transformer topology has proven its reliability over many years. The inverters are short circuit proof and protected against overheating, whether due to overload or high ambient temperature.

High start-up power

Needed to start loads such as power converters for LED lamps, halogen lamps or electric tools.

ECO mode

When in ECO mode, the inverter will switch to standby when the load decreases below a preset value. Once in standby the inverter will switch on for a short period every 2,5 seconds (adjustable).

If the load exceeds the preset level, the inverter will remain on.

Remote on/off

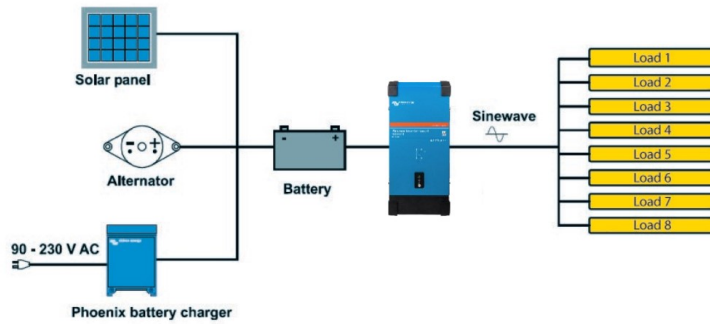
A remote on/off switch or relay contact can be connected to a two pole connector. Alternatively, the H terminal (left) of the two pole connector can be switched to battery plus, or the L terminal (right) of the two pole connector can be switched to battery minus (or the chassis of a vehicle, for example).

LED diagnosis

Please see manual for a description.

To transfer the load to another AC source: the automatic transfer switch

For our low power inverters we recommend our Filax Automatic Transfer Switch. The Filax features a very short switchover time (less than 20 milliseconds) so that computers and other electronic equipment will continue to operate without disruption. Alternatively use a MultiPlus with built-in transfer switch.



RÖMORK ÜZERİ GÜNEŞ JENERATÖRÜ

Kalite Belgeleri

YERLİ MALİ BELGESİ

Belgenin Veriliş Tarihi : 07.12.2021 Belgenin Geçerlilik Tarihi : 07.12.2022 Belge No : 2021106287809
Üretici Ünvanı: AKIŞ SİSTEM ELEKTRİK ELEKTRONİK PANO BİLGİ İŞLEM SANAYİ İTHALAT VE İHRACAT LİMİTED ŞİRKETİ

İşyeri Adresi: ÇEKİRDEKSİZ MEVKİİ POLATLI OSB 202.CAD. NO:24 POLATLI/ANKARA

Üreticinin Vergi Kimlik No: 0280055194 TC Kimlik No: MERSİS No : 0028005519400015

Telefon: 3123955901 E-posta: akissistem@akissistem.com
Faks: 3123955215 Web Adresi: www.akissistem.com

Ticaret Sicil No: 4778 Üye Sicil No: 4662

Ürün Adı: GÜNEŞ ENERJİSİ İLE ÇALIŞAN JENERATÖR
Ürün Kodu (PRODCOM/GTİP): 27.12.10.30.00 /
Teknik Özellikleri(Marka Adı, Modeli, Seri Numarası, Cinsi):
Kapasite Raporunun Tarih :08.04.2021 No : 13848 Geçerlilik Süresi :08.04.2023
Sanayi Sicil Belgesinin Tarih : 26.09.2013 No : 543980

Yerli Katkı Oranı : % 94

Ürünün Teknolojik Düzeyi (düşük/orta-düşük/orta-yüksek/yüksek)(Eurostat) : orta-yüksek

CERTIFICATE

AKIŞ SİSTEM

**AKIŞ SİSTEM ELEKTRİK ELEKTRONİK PANO BİLGİ İŞLEM
SANAYİ İTHALAT VE İHRACAT LİMİTED ŞİRKETİ**

ÇEKİRDEKSİZ OSB MAHALLESİ 202. CADDE NO: 24 POLATLI ANKARA

ISO 9001:2015

PRODUCTION AND SALES OF DEVICES SPECIFIC TO THE SWITCHING AND PROTECTION OF ELECTRICAL CIRCUITS AND CONTROL AND DISTRIBUTION OF ELECTRICITY (LOW AND MEDIUM VOLTAGE SWITCHGEARS, PANELS OF PREFABRICATED TRANSFORMER DISTRIBUTION CENTERS, METERING BOARDS, SCADA AUTOMATION PANELS, ELECTRICAL SWITCHGEAR MATERIALS), PROJECT DESIGN AND INSTALLATION OF SOLAR POWER PLANTS, DESIGN AND PRODUCTION OF PORTABLE AND FOLDABLE SOLAR POWER SYSTEMS

This certificate is valid for 3 years on condition that surveillance audits are carried out before the period of each year in accordance with the accreditation rules. With this certificate, the holder of the certificate has been audited on the address mentioned above by TRB Certification Body in accordance with the condition and requirements of the license contract and it has been registered that the company satisfies the conditions of the standard. This certificate is valid as long as the certificate holder follows TRB certification rules and the certificate is seen as valid on www.trb.com.de web site certificate inquiry section.

Certification Number : DE-QC-1741
Date of Issue : 09.10.2020
Expiry Date : 08.10.2022
Certification Period : 3 Years (2. Year)
Printing Number : 01

General Manager

Plannenstiel 17, D-88077 Markdorf-Deutschland
Telefon: 0049-7544-7440623 Fax: 0049-7544-7440629 web: www.trb.com.de E-mail: info@trb.com.de

MARKA TESCİL BELGESİ

T.C.
TÜRK PATENT ENSTİTÜSÜ

Marka No : 2015 63941 - Ticaret

SOGEN
SOLAR SYSTEMS

Marka Sahibi : AKIŞ SİSTEM ELEKTRİK ELEKTRONİK PANO BİLGİ İŞLEM SANAYİ İTHALAT VE İHRACAT LİMİTED ŞİRKETİ

TURK PATENT

TASARIM TESCİL BELGESİ

No: 2017 04826

Tasarım Sahibi
**AKIŞ SİSTEM ELEKTRİK ELEKTRONİK PANO BİLGİ İŞLEM
SANAYİ İTHALAT VE İHRACAT LİMİTED ŞİRKETİ**

Bu tasarımlar, 6769 sayılı Sınai Mülkiyet Kanunu kapsamında 20/07/2017 tarihinden itibaren 5 yıl süreyle korunmak üzere tescil edilmiş ve bu belge 05/01/2018 tarihinde düzenlenmiştir.

Prof. Dr. Hahip ASAN
Başkan

